Author index to Volume 32

ADMIRAAL, W., BREEBAART, L., TUBBING, G.M.J., VAN ZANTEN, B., DE RUIJTER VAN STEVENINCK, E.D. AND BIJKERK, R. Seasonal variation in the composition and production of planktonic communities in the lower River Rhine, 519

ALLONBY, J.D. *see* ELLIOTT, J.M.

ANDERSON, N.J. AND RIPPEY, B. Monitoring lake recovery from point-source eutrophication: the use of diatom-inferred epilimnetic total phosphorus and sediment chemistry, 625

BAILEY, P.C.E. *see* REED, J.L.

BALLESTEROS, E. *see* GACIA, E.

BEEBEE, T.J.C. *see* WONG, A.L.-C.

BENNDORF, J. *see* JUNGMANN, D.

BERN, L. Particle selection over a broad size range by crustacean zooplankton, 105

BICKERTON, M.A. *see* PETTS, G.E.

BIGGS, B.J.F. AND HICKEY, C.W. Periphyton responses to a hydraulic gradient in a regulated river in New Zealand, 49

BIJKERK, R. *see* ADMIRAAL, W.

BOWDEN, W.B. *see* FINLAY, J.C.

BOWDEN, W.B., FINLAY, J.C. AND MALONEY, P.E. Long-term effects of PO_4 fertilization on the distribution of bryophytes in an arctic river, 445

BREEBAART, L. *see* ADMIRAAL, W.

BREUKELAAR, A.W., LAMMENS, E.H.R.R., KLEIN BRETELER, J.G.P. AND TÁTRAI, I. Effects of benthivorous bream (*Abramis brama*) and carp (*Cyprinus carpo*) on sediment resuspension and concentrations of nutrients and chlorophyll *a*, 113

BREWIN, P.A. AND ORMEROD, S.J. Macroinvertebrate drift in streams of the Nepalese Himalaya, 573

BURTON, T.M. *see* EGGERT, S.L.

CAMARERO, L. *see* GACIA, E.

CAMPBELL, I.C. *see* REED, J.L.

CARBALLEIRA, A. *see* LOPEZ, J.

CATALAN, J. *see* GACIA, E.

CHAMBERS, P.A. *see* SCRIMGEOUR, G.J.

CHIGBU, P. AND SIBLEY, T.H. Predation by *Neomysis mercedis*: effects of temperature, *Daphnia magna* size and prey density on ingestion rate and size selectivity, 39

COOPER, S.D. *see* KRATZ, K.W.

CULP, J.M. *see* SCRIMGEOUR, G.J.

DALE, K.M. *see* ORMEROD, S.J.

DALY, G.P. *see* ORMEROD, S.J.

DE RUIJTER VAN STEVENINCK, E.D. *see* ADMIRAAL, W.

DELGARDO, O. *see* GACIA, E.

DOBSON, M. Microhabitat as a determinant of diversity: stream invertebrates colonizing leaf packs, 565

EGGERT, S.L. AND BURTON, T.M. A Comparison of *Acroneuria lycorias* (Plecoptera) production and growth in northern Michigan hard- and soft-water streams, 21

ELLIOTT, J.A. *see* ELLIOTT, J.M.

ELLIOTT, J.M., ELLIOTT, J.A. AND ALLONBY, J.D. The critical thermal limits for the stone loach, *Noemacheilus barbatulus*, from three populations in north-west England, 593

FINLAY, J.C. *see* BOWDEN, W.B.

FINLAY, J.C. AND BOWDEN, W.B. Controls on production of bryophytes in an arctic tundra stream, 455

FOULKES, M.E. *see* GOWER, A.M.

FREEMAN, C., GRESSWELL, R., GUASCH, H., HUDSON, J., LOCK, M.A., REYNOLDS, B., SABATER, F. AND SABATER, S. The role of drought in the impact of climatic change on the microbiota of peatland streams, 223

FRIBERG, N. AND JACOBSEN, D. Feeding plasticity of two detritivore-shredders, 133

GACIA, E., BALLESTEROS, E., CAMARERO, L., DELGARDO, O., PALAU, A., RIERA, J.L. AND CATALAN, J. Macrophytes from lakes in the eastern Pyrenees: community composition and ordination in relation to environmental factors, 73

GIBERSON, D.J. AND ROSENBERG, D.M. Life histories of burrowing mayflies (*Hexagenia limbata* and *H. rigida*, Ephemeroptera: Ephemeridae) in a northern Canadian reservoir, 501

GOEDKOOP, W. AND JOHNSON, R.K. Exploitation of sediment bacterial carbon by juveniles of amphipod *Monoporeia affinis*, 533

GOWER, A.M., MYERS, G., KENT, M. AND FOULKES, M.E. Relationships between macroinvertebrate communities and environmental variables in metal-contaminated streams in south-west England, 199

GREENBERG, L.A. Effects of predation, trout density and discharge on habitat use by brown trout, *Salmo trutta*, in artificial streams, 1

GRESSWELL, R. *see* FREEMAN, C.

GRIFFITHS, R.A. *see* WONG, A.L.-C.

GUASCH, H. *see* FREEMAN, C.

HARRIS, G.P. Pattern, process and prediction in aquatic ecology. A limnological view of some general ecological problems, 143

HATCHETT, L.A. *see* HOLOMUZKI, J.R.

HICKEY, C.W. *see* BIGGS, B.J.F.

Hickey, C.W. *see* Quinn, J.M.
Holomuzki, J.R. and Hatchett, L.A. Predator avoidance costs and habituation to fish chemicals by a stream isopod, 585
Hudson, J. *see* Freeman, C.
Huryn, A.D. *see* Young, R.G.

Irons, J.G. III, Oswood, M.W., Stout, R.J. and Pringle, C.M. Latitudinal patterns in leaf litter breakdown: is temperature really important?, 401

Jacobsen, D. *see* Friberg, N.
Jeffries, M. Invertebrate communities and turnover in wetland ponds affected by drought, 603
Johnson, R.K. *see* Goedkoop, W.
Jungmann, D. and Benndorf, J. Toxicity to *Daphnia* of a compound extracted from laboratory and natural *Microcystis* spp., and the role of microcystins, 13
Juttner, I. *see* Ormerod, S.J.

Kent, M. *see* Gower, A.M.
Klein Breteler, J.G.P. *see* Breukelaar, A.W.
Kratz, K.W., Cooper, S.D. and Melack, J.M. Effects of single and repeated experimental acid pulses on invertebrates in a high altitude Sierra Nevada stream, 161

Lammens, E.H.R.R. *see* Breukelaar, A.W.
Laperriere, J. Benthic ecology of a spring-fed river of interior Alaska, 349
Lóbon-Cerviá, J. and Rincón, P.A. Trophic ecology of red roach (*Rutilus arcasii*) in a seasonal stream; an example of detritivory as a feeding tactic, 123
Lock, M.A. *see* Freeman, C.
Lopez, J., Vazquez, M.D. and Carballeira, A. Stress responses and metal exchange kinetics following transplant of the aquatic moss *Fontinalis antipyretica*, 185

Maloney, P.E. *see* Bowden, W.B.
Melack, J.M. *see* Kratz, K.W.
Merritt, R.W. *see* Wipfli, M.S.
Milner, A.M. and Petts, G.E. Glacial rivers: physical habitat and ecology, 295
Milner, A.M. Colonization and succession of invertebrate communities in a new stream in Glacier Bay National Park, Alaska, 387
Myers, G. *see* Gower, A.M.

O'Keefe, J. *see* Palmer, C.
Ormerod, S.J. *see* Brewin, P.A.
Ormerod, S.J., Rundle, S.D., Wilkinson, S.M., Daly, G.P., Dale, K.M. and Juttner, I. Altitudinal trends in the diatoms, bryophytes, macroinvertebrates and fish of a Nepalese River system, 309
Oswood, M.W. *see* Irons, J.G. III

Palau, A. *see* Gacia, E.
Palmer, A. *see* Palmer, C.
Palmer, C., Palmer, A., O'Keefe, J. and Palmer, R. Macroinvertebrate community structure and altitudinal changes in the upper reaches of a warm temperate southern African river, 337
Palmer, R. *see* Palmer, C.
Petts, G.E. *see* Milner, A.M.
Petts, G.E. and Bickerton, M.A. Influence of water abstraction on the macroinvertebrate community gradient within a glacial stream system, La Borgne d'Arolla, Valais, Switzerland, 375
Pringle, C.M. *see* Irons, J.G. III
Prowse, T.D. *see* Scrimgeour, G.J.
Prowse, T.D. Environmental significance of ice to streamflow in cold regions, 241

Quinn, J.M. and Hickey, C.W. Hydraulic parameters and benthic invertebrate distributions in two gravel-bed New Zealand rivers, 489

Reed, J.L., Campbell, I.C. and Bailey, P.C.E. The relationship between invertebrate assemblage and available food at forest and pasture sites in three south-eastern Australian streams, 641
Resh, V.H. and Yamamoto, D. International collaboration in freshwater ecology, 613
Reynolds, B. *see* Freeman, C.
Riera, J.L. *see* Gacia, E.
Rincón, P.A. *see* Lóbon-Cerviá, J.
Rippey, B. *see* Anderson, N.J.
Rosenberg, D.M. *see* Giberson, D.J.
Rundle, S.D. *see* Ormerod, S.J.
Ruse, L.P. Chironomid microdistribution in gravel of an English chalk river, 533
Ryan, P.A. *see* Winterbourn, M.J.

Sabater, F. *see* Freeman, C.
Sabater, S. *see* Freeman, C.
Scarsbrook, M.R. and Townsend, C.R. The roles of grass leaf litter in streams draining tussock grassland in New Zealand: retention, food supply and substrate stabilization, 429
Scheurell, M.D. *see* Xi He
Scrimgeour, G.J., Prowse, T.D., Culp, J.M. and Chambers, P.A. Ecological effects of river ice break-up: a review and perspective, 261
Sibley, T.H. *see* Chigbu, P.
Soranno, P.A. *see* Xi He
Stout, R.J. *see* Irons, J.G III.
Strayer, D.L. Body size and abundance of benthic animals in Mirror Lake, New Hampshire, 83
Suren, A.M. Macroinvertebrate communities of streams in western Nepal: effects of altitude on land use, 323

Tatrái, I. *see* Breukelaar, A.W.

TOWNSEND, C.R. *see* SCARSBROOK, M.R.
TOWNSEND, C.R. *see* YOUNG, R.G.
TUBBING, G.M.J. *see* ADMIRAAL, W.

VAN ZANTEN, B. *see* ADMIRAAL, W.
VAZQUEZ, M.D. *see* LOPEZ, J.

WARD, J.V. Ecology of alpine streams, 277
WATT, P.J. *see* YOUNG, S.
WILKINSON, S.M. *see* ORMEROD, S.J.
WINFIELD, D.K. *see* WINFIELD, I.J.
WINFIELD, I.J. AND WINFIELD, D.K. Feeding ecology of the diving ducks pochard (*Aythya ferina*), tufted duck (*A. fuligula*), scaup (*A. marila*) and goldeneye (*Bucephala clangula*) overwintering on Lough Neagh, Northern Ireland, 467
WINTERBOURN, M.J. AND RYAN, P.A. Mountain streams in Westland, New Zealand: benthic ecology and management issues, 359
WINTERBOURN, M.J. Ecology of alpine, glacial, high latitude and mountain streams: introduction and synthesis, 235
WIPFLI, M.S. AND MERRITT, R.W. Disturbance to a stream food web by a bacterial larvicide specific to black flies: feeding responses of predatory macroinvertebrates, 91
WONG, A.L.-C., BEEBEE, T.J.C. AND GRIFFITHS, R.A. Factors affecting the distribution and abundance of an unpigmented heterotrophic alga *Prototheca richardsi*, 33
WRIGHT, R.A. *see* XI HE.

XI HE, SCHEURELL, M.D., SORANNO, P.A. AND WRIGHT, R.A. Recurrent response patterns of a zooplankton community to whole-lake fish manipulation, 61

YAMAMOTO, D. *see* RESH, V.H.
YOUNG, R.G., HURYN, A.D. AND TOWNSEND, C.R. Effects of agricultural development on processing of tussock leaf litter in high country New Zealand streams, 413
YOUNG, S. AND WATT, P.J. Behavioural and genetic differences in populations of *Daphnia* subjected to different levels of predation, 479